Human Cytochrome P450 24A1 (CYP24A1) RTU ELISA Kit | CYP24A1 rtu elisa kit

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CATALOG #	REACTIVITY
AAA70115	**Human**

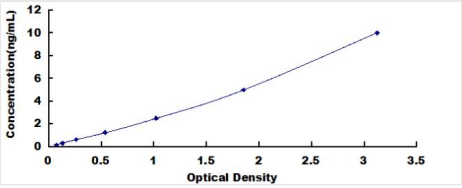
PRODUCT SYNONYMS

Cytochrome P450 24A1 (CYP24A1); Human Cytochrome P450 24A1 (CYP24A1) ELISA Kit; CP24; CYP24; P450-CC24; Vitamin D 24-Hydroxylase; 1; 25-dihydroxyvitamin D(3) 24-hydroxylase; mitochondrial ; Cytochrome P450 Family 24 Subfamily A Polypeptide 1; CYP24A1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	514
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP24A1 rtu elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP24A1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP24A1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CYP24A1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CYP24A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770850
NCBI GeneID	1591
NCBI Accession #	NP_000773.2
NCBI GenBank Nucleotide #	NM_000782.4
UniProt Accession #	Q07973; Q15807; Q32ML3; Q5I2W7
Molecular Weight	43,051 Da
NCBI Official Full Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 24 subfamily A member 1
NCBI Official Symbol	CYP24A1
NCBI Official Synonym Symbols	CP24; HCAI; CYP24; HCINF1; P450-CC24
NCBI Protein Information	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Protein Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Gene Name	**CYP24A1**
UniProt Synonym Gene Names	CYP24; 24-OHase; Vitamin D(3) 24-hydroxylase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/human-rtu-elisa-kits/cytochrome-p450-24a1-cyp24a1/70115